CLAIMS

1. A junction block comprising:

an inner cover;

connector blocks and a power block disposed outside the inner cover; and

busbars and a wiring module disposed being piled up within a space surrounded by the connector blocks and the power block,

wherein terminals of the connector blocks, terminals of the power block and terminals of the busbars are connected to the wiring module.

2. The junction block according to claim 1, wherein the wiring module consists of a random wiring module and a cross wiring module.

3. The junction block according to claim 2, wherein the terminals are connected to ends of the wiring modules and part of the terminals of the busbars are connected to a middle part of the random wiring module situated as a lower layer in the space.

4. The junction block as claimed in any one of claims 1 – 3, wherein the terminals of the connector blocks and/or the terminals of the power block are arranged in a plurality of steps, wherein the terminals arranged in a lower step are connected to a narrow lower wiring module while the terminals arranged in an upper step are connected to a wide upper wiring module.

5. The junction block as claimed in any one of claims 1 – 4, wherein the terminals of the connector blocks and/or the terminals of the power block and/or the terminals of the busbars are pressure welding terminals.

6. The junction block as claimed in any one of claims 1 – 5, wherein

the power block includes fuses outside and a relay inside.

7. The junction block as claimed in any one of claims 1 – 6, wherein an electronic unit is mounted on the back of the inner cover and connected to terminals arranged on the back of the busbars.

8. The junction block as claimed in any one of claims 1 – 7, wherein the inner cover, the connector blocks and the power block are slidingly combined.

9. A junction block comprising:

an inner cover; and

a power block and connector blocks combined with the inner cover, wherein components such as circuit boards are disposed and connected within a space surrounded by the power block and the connector blocks, wherein the power block and the connector blocks form the outside of the junction block.

10. The junction block according to claim 9, wherein the combination of the power block and the connector blocks with the inner cover is carried out by engaging a slide-engaging part with a guide part in a direction crossing the inner cover at right angles.

11. The junction block according to claim 9 or 10, wherein one of the connector blocks is combined with the inner cover, while the other connector block is combined with the power block.

12. The junction block as claimed in any one of claims 9 – 11, wherein the slide-engaging part of the connector block or the power block enters into a dead space in the power block or the connector block.

13. The junction block according to claim 12, wherein the dead space is within a connector.

14. The junction block according to claim 12 or 13, wherein the slide-engaging part that enters into the dead space consists of a rib and an outside wall that covers an end and the front of the rib.

15. The junction block as claimed in any one of claims 9 – 14, wherein the combination of the power block and the connector blocks with the inner cover is carried out in the vicinity of a mount of the inner cover.